



WELDING

MINIMUM EQUIPMENT LIST

Instructional Equipment and Software

Item Name	Count 15 Students	Count 20 Students	Count 25 Students	Description/Specification
Television/VCR/DVD	1	1	1	25"
Overhead Projector with Screen	1	1	1	
A/V Cart/Media Storage Center	1	1	1	
LCD	1	1	1	
Air Compressor	1	1	1	5 HP, 80 gallon tank
Air Compressor	2	2	2	Portable, 3 HP, 20 gallon tank
Air Regulators	2	2	2	Including water and/or oil extractors
Band Saw, Horizontal	1	1	1	Metal, 7" capacity minimum, 1 HP
Band Saw, Vertical	1	1	1	Metal, 14" capacity minimum, 1 HP
Computer System	1	1	1	See Technical & Professional Education Technology Standards
Computer Printer	1	1	1	See Technical & Professional Education Technology Standards
Cutting Machine	1	1	1	Traveling, track type, oxy-acetylene
Drill Press	1	1	1	Including attachments, 15"
Drill, Electric	1	2	3	1/2" drive, variable speed, reversible
Drill, Electric	1	2	3	3/8" drive, variable speed, reversible
Exhaust System	1	1	1	Suitable for exhausting welding gases
Grinder	2	3	4	Bench or pedestal, 10", 1 HP
Grinder	1	1	1	Bench, 6", dual wheel
Grinder	2	1	1	Electric, Hand held, 7"
Guide Bend Tester	1	1	1	
Hoist	1	1	1	1 ton, hand, chain or electric
Jack, Floor	1	1	1	2- ton, hydraulic
Oven, Electrode	1	1	1	
Puller Set	1	1	1	Bearing, wheel, and gear
Quenching Tank	1	1	1	
Saw, Cut-Off	1	1	1	Abrasive, 10", 1 HP
Shear	1	1	1	Squaring, 32" \$6,500
Tap and Die Set	1	1	1	Standard and metric to ½"
Welder, Arc	10	12	12	300 AMP, w/attachments
Welder, MIG	3	3	3	200 AMP, w/attachments



Item Name	Count 15 Students	Count 20 Students	Count 25 Students	Description/Specification
Welder, Portable	2	2	2	Oxy-acetylene welding unit (Complete w/cutting torch, bottles, attachments and cylinder truck)
Welder, TIG	3	3	3	250 AMP, w/attachments
Welding Booths	10	12	12	For arc welding, 60"W X 96"H w/16" deep work surface,
Welding Stations, Oxy-Acetylene	6	6	6	Including two-stage regulators